

NOTES ON THE DISTRIBUTION AND BIOLOGY OF CERTAIN
BUPRESTIDAE AND CERAMBYCIDAE (COLEOPTERA): PART II

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ABSTRACT

Biological and distributional data are presented for certain species in some genera of Buprestidae (*Glyptoscelimorpha*, *Hippomelas*, *Actenodes*, *Acmaeoderoides*, *Agriilus*) and Cerambycidae (*Crossidius*).

These notes are based on collections made in California and Arizona. Unless otherwise indicated specimens are in each collector's collection. Abbreviations for collection names follow Arnett and Samuelson (1969). Following the dates the number in parenthesis indicates the specimens collected.

BUPRESTIDAE

Glyptoscelimorpha marmorata Horn, 1893:137. Chamberlin (1926) recorded this species from southern California; however, biological information is lacking. It therefore seems important to record this species in northern California and the adults on *Juniperus californica* Carr., CALIFORNIA: *Los Angeles Co.*, Vincent, 7-VIII-54(1); 10-VIII-60(1), G. H. Nelson; 4.5 mi. S Palmdale, 14-VI-58 (17), R. L. Westcott; The Oaks, 31-VII-65 (42); 4-VIII-73 (31); 30-VIII-76 (16), G. C. Walters; Mint Cyn., 2-VII-64 (7), G. C. Walters; *Kern Co.*, 1.5 mi. E. Frazier Park, 19-VI-60 (4), R. L. Westcott; 2 mi. SW Lebec, 15-VII-72 (7), 30-VII-76 (43), G. C. Walters; *Mendocino Co.*, 15 mi. E Hopland, 29-V-68(1), D. G. Kissinger (GHNC).

*Hippomelas diana*e Helfer, 1954:117. Linsley (1976) recorded specimens on *Eriogonum deserticola* Wats. To further increase our knowledge the following information is presented. This species, usually collected on *Ephedra*, was collected on *Eriogonum deserticola* Wats, CALIFORNIA: *Imperial Co.*, Glamis, 9-VIII-75 (92), G. C. Walters and V. Lucksan (GCWC). Both plants are abundant in the area; however, no specimens were observed on the former plant. The flowers of *Eriogonum deserticola* are yellow and the stems white. Male *Hippomelas diana*e were covered with a yellowish pulverulence and were collected on the flowers, whereas the females have whitish pulverulence and were collected on the stems.

Actenodes calcarata (Chevrolat), 1834:35. This species has been mentioned as occurring in the desert region of southeast California (Fisher 1942); however, no specific location was mentioned. Specimens were collected at CALIFORNIA: *Imperial Co.*, 5 mi. NW Glamis, 28-VIII-77 (25), D. S. Verity and 28-VIII-77 (23), G. C. Walters on small half dead scrub trees of *Cercidium floridum* located, usually on the northwest side, approximately 100 to 200 feet from washes. No specimens were collected on *Cercidium floridum* trees with lush foliage in the washes.

Actenodes arizonica Knull, 1927:115. Fisher (1942) recorded this species from California; however, no biological information was furnished. Nelson (1962) recorded it in Arizona on *Prosopis chilensis* (= *juliflora*). Specimens were collected on *Prosopis juliflora* (Sw.) D. C., CALIFORNIA: *San Diego Co.*, Borrego Springs, 25-IX-65 (5), 22-VIII-70 (6), and 4-IX-76 (2), G. C. Walters.

Acmaeoderoides rossi (Cazier), 1937:115. This species was recorded from Riverside and Imperial Counties in California by Nelson (1968). The following record extends its known range into another county. CALIFORNIA: *San Bernardino Co.*, Hwy. 15 at Zzyzx turn-off, 23-VI-75 (7), G. C. Walters, on *Eriogonum inflatum* Torr. and Frem.

Agrilus aurilatera Waterhouse, 1889:89. Until recently this species was known only from Mexico. Hespeneide (1974) recorded specimens from Arizona, Cochise Co. The following information extends the range of this species west into another county. ARIZONA: *Pima Co.*, 5 mi. NW Madera Cnyn., 18-VII-77 (11), G. C. Walters and 18-VII-77 (3), V. Lucksan (GCWC), on *Baccharis sarothroides*.

Agrilus inhabilis Kerremans, 1900:341. Nelson (1968) recorded collecting this species on *Baccharis sergiloides* Gray, and Walters (1975) noted it on *Hymenoclea salsola* T. and G. Since this attractive species seems to be uncommon in collections and biological information is sparse, it seems worthwhile to mention collecting it on *Cassia armata* Wats. and *Hymenoclea salsola* T. and G., CALIFORNIA: *San Bernardino Co.*, 10 and 14 mi. N Red Mountain, 29-V-76 (2) and 30-V-76 (1), G. C. Walters; and 7 mi. N Red Mountain, 24-V-70 (2), R. L. Westcott, on *Hymenoclea salsola* T. and G.

CERAMBYCIDAE

Crossidius mojavensis mojavensis Linsley, 1955:90. Linsley and Chemsak (1961) recorded only one female specimen, from Bakersfield, Kern County, California. A series of both sexes of this species was collected on *Chrysothamnus nauseosus nauseosus* (Pallus) Britt., CALIFORNIA: *Kern Co.*, 2 mi. SW Lebec, 20-IX-75 (38), G. C. Walters.

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LITERATURE CITED

- ARNETT, R. H., JR. AND G. A. SAMUELSON (eds.) 1969. Directory of Coleoptera collections of North America (Canada through Panama). Purdue Univ., Lafayette, Indiana, 123p.
- CHAMBERLIN, W. J. 1926. A Catalogue of the Buprestidae of North America exclusive of Mexico. Oregon State College, Oregon, 289p.
- FISHER, W. S. 1942. A revision of the North American species of buprestid beetles belonging to the tribe *Chrysobothrini*. United States Dept. of Agric. Misc. Publ. 470:1-274.
- HESPENHEIDE, H. A. 1974. An *Agrilus* new to the United States (Coleoptera, Buprestidae). Coleopt. Bull. 28:73-75.
- LINSLEY, E. G. AND J. A. CHEMSAK. 1961. A distribution and taxonomic study of the genus *Crossidius* (Coleoptera, Cerambycidae). Misc. Publ. Ent. Soc. Amer. 3:25-64.
- LINSLEY, E. G. AND E. S. ROSS. 1976. Plant Associations Among *Hippomelas* (Coleoptera, Buprestidae). Pan-Pacific Ent. 52:272-285.
- NELSON, G. H. 1962. Notes on the Buprestidae: Part III. Brooklyn Ent. Soc. Bull. 57:56-60.
- NELSON, G. H. 1968. Notes on Buprestidae (Coleoptera): Part VI. Coleopt. Bull. 22:28-30.
- NELSON, G. H. 1968. A revision of the genus *Acmaeoderoides* (Coleoptera: Buprestidae). Proc. California Acad. Sci. 36:125-146.
- WALTERS, G. C. 1975. Notes on the distribution and biology of certain Buprestidae (Coleoptera): Part I. Coleopt. Bull. 29:69-70.